

Section 1. Registration Information

Source Identification

Facility Name:	Bumstead Rail Facility
Parent Company #1 Name:	Plains LPG Services, L.P.
Parent Company #2 Name:	Plains All American Pipeline, L.P.

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	Voluntary update (not described by any of the above reasons)
Description:	
Receipt Date:	02-Apr-2012
Postmark Date:	02-Apr-2012
Next Due Date:	02-Apr-2017
Completeness Check Date:	02-Apr-2012
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0017 0254
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	36170624

Facility Location Address

Street 1:	14702 W. Olive Avenue
Street 2:	
City:	Waddell
State:	ARIZONA
ZIP:	85355
ZIP4:	
County:	MARICOPA

Facility Latitude and Longitude

Latitude (decimal):	33.566111
Longitude (decimal):	-112.376667
Lat/Long Method:	Interpolation - Photo
Lat/Long Description:	Plant Entrance (General)
Horizontal Accuracy Measure:	25
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	24000

Owner or Operator

Operator Name: Plains LPG Services, L.P.
Operator Phone: (403) 298-2100

Mailing Address

Operator Street 1: Suite 1400, 607 8th Ave S.W.
Operator Street 2:
Operator City: Calgary
Operator State:
Operator ZIP:
Operator ZIP4:
Operator Foreign State or Province: Alberta
Operator Foreign ZIP: T2P0A7
Operator Foreign Country: Canada

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person: Ron Conrow
RMP Title of Person or Position: District Manager
RMP E-mail Address: ron.conrow@plainsmidstream.com

Emergency Contact

Emergency Contact Name: PMCLP Control Center
Emergency Contact Title: Operator on Duty
Emergency Contact Phone: (866) 875-2554
Emergency Contact 24-Hour Phone: (866) 875-2554
Emergency Contact Ext. or PIN:
Emergency Contact E-mail Address: N/A

Other Points of Contact

Facility or Parent Company E-mail Address:
Facility Public Contact Phone:
Facility or Parent Company WWW Homepage Address: www.paalp.com

Local Emergency Planning Committee

LEPC: Maricopa County LEPC

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site: 9
FTE Claimed as CBI:

Covered By

OSHA PSM : Yes
EPCRA 302 :
CAA Title V:

Air Operating Permit ID:

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	09-Aug-2010
Last Safety Inspection Performed By an External Agency:	Arizona Corporation Commission

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Tony Puckett
Preparer Phone:	(713) 646-4587
Preparer Street 1:	333 Clay Street
Preparer Street 2:	
Preparer City:	Houston
Preparer State:	TEXAS
Preparer ZIP:	77002
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
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Process Chemicals

Process ID:	1000031744
Description:	Propane/Butane Distributn
Process Chemical ID:	1000038469
Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Quantity (lbs):	576000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000031745
Description:	Rail Rack
Process Chemical ID:	1000038471
Program Level:	Program Level 3 process
Chemical Name:	Propane
CAS Number:	74-98-6
Quantity (lbs):	6930000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000031744
Description:	Propane/Butane Distributn
Process Chemical ID:	1000038468
Program Level:	Program Level 3 process
Chemical Name:	Propane
CAS Number:	74-98-6
Quantity (lbs):	252000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000031745
Description:	Rail Rack
Process Chemical ID:	1000038470
Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Quantity (lbs):	7920000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process NAICS

Process ID:	1000031744
Process NAICS ID:	1000032046
Program Level:	Program Level 3 process
NAICS Code:	42471
NAICS Description:	Petroleum Bulk Stations and Terminals

Process ID:	1000031745
Process NAICS ID:	1000032047
Program Level:	Program Level 3 process
NAICS Code:	42471
NAICS Description:	Petroleum Bulk Stations and Terminals

Section 2. Toxics: Worst Case

No records found.

Section 3. Toxics: Alternative Release

No records found.

Section 4. Flammables: Worst Case

Flammable Worst ID: 1000019229

Model Used:
Endpoint used:

EPA's RMP*Comp(TM)
1 PSI

Passive Mitigation Considered

Blast Walls:
Other Type:

Section 5. Flammables: Alternative Release

Flammable Alter ID: 1000018010

Model Used:

EPA's RMP*Comp(TM)

Passive Mitigation Considered

Dikes:

Fire Walls:

Blast Walls:

Enclosures:

Other Type:

Active Mitigation Considered

Sprinkler System:

Deluge System:

Water Curtain:

Excess Flow Valve:

Other Type:

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

The site stores and distributes propane and butane and all prevention program elements apply to both chemicals-storage tanks, transport truck loading facilities, and all associated pipelines and operating equipment.

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000033041
Chemical Name:	Butane
Flammable/Toxic:	Flammable
CAS Number:	106-97-8

Prevention Program Level 3 ID:	1000027576
NAICS Code:	42471

Prevention Program Chemical ID:	1000033040
Chemical Name:	Propane
Flammable/Toxic:	Flammable
CAS Number:	74-98-6

Prevention Program Level 3 ID:	1000027576
NAICS Code:	42471

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	24-Aug-2010
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Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	25-Mar-2009
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The Technique Used

What If:	
Checklist:	
What If/Checklist:	
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	31-Dec-2010

Major Hazards Identified

Toxic Release:	
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	
Floods (Flood Plain):	
Tornado:	
Hurricanes:	
Other Major Hazard Identified:	Thermal burns

Process Controls in Use

Vents:	
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	Yes
Grounding Equipment:	Yes
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	Fire hoses, monitors

Monitoring/Detection Systems in Use

Process Area Detectors:
Perimeter Monitors:
None: Yes
Other Monitoring/Detection System in Use:

Changes Since Last PHA Update

Reduction in Chemical Inventory:
Increase in Chemical Inventory:
Change Process Parameters:
Installation of Process Controls:
Installation of Process Detection Systems:
Installation of Perimeter Monitoring Systems:
Installation of Mitigation Systems:
None Recommended:
None: Yes
Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 01-Jun-2011

Training

Training Revision Date (The date of the most recent review or revision of training programs): 06-Jan-2010

The Type of Training Provided

Classroom: Yes
On the Job:
Other Training:

The Type of Competency Testing Used

Written Tests: Yes
Oral Tests:
Demonstration: Yes
Observation: Yes
Other Type of Competency Testing Used:

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures): 24-Aug-2010

Equipment Inspection Date (The date of the most recent equipment inspection or test): 09-Aug-2010

Equipment Tested (Equipment most recently inspected or tested):

LEL Detectors

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):

31-Aug-2009

Change Management Revision Date (The date of the most recent review or revision of management of change procedures):

24-Aug-2010

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):

12-Nov-2004

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):

24-Aug-2010

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):

31-Jan-2011

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):

24-Aug-2010

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):

24-Aug-2010

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):

24-Aug-2010

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):

31-Aug-2010

Confidential Business Information

CBI Claimed:

Description

Rail Rack for Bumstead

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000033460
Chemical Name:	Propane
Flammable/Toxic:	Flammable
CAS Number:	74-98-6

Prevention Program Level 3 ID:	1000027577
NAICS Code:	42471

Prevention Program Chemical ID:	1000033461
Chemical Name:	Butane
Flammable/Toxic:	Flammable
CAS Number:	106-97-8

Prevention Program Level 3 ID:	1000027577
NAICS Code:	42471

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	24-Aug-2010
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Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	25-Mar-2009
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The Technique Used

What If:	
Checklist:	
What If/Checklist:	
HAZOP:	Yes
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	31-Dec-2010

Major Hazards Identified

Toxic Release:	
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	Yes
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	Yes
Earthquake:	
Floods (Flood Plain):	
Tornado:	
Hurricanes:	
Other Major Hazard Identified:	

Process Controls in Use

Vents:	
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	Yes
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	Yes
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	Fire hoses, monitors

Monitoring/Detection Systems in Use

Process Area Detectors:
Perimeter Monitors:
None: Yes
Other Monitoring/Detection System in Use:

Changes Since Last PHA Update

Reduction in Chemical Inventory:
Increase in Chemical Inventory:
Change Process Parameters:
Installation of Process Controls:
Installation of Process Detection Systems:
Installation of Perimeter Monitoring Systems:
Installation of Mitigation Systems:
None Recommended:
None: Yes
Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 01-Jun-2011

Training

Training Revision Date (The date of the most recent review or revision of training programs): 06-Jan-2010

The Type of Training Provided

Classroom: Yes
On the Job:
Other Training:

The Type of Competency Testing Used

Written Tests: Yes
Oral Tests:
Demonstration: Yes
Observation: Yes
Other Type of Competency Testing Used:

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Equipment Tested (Equipment most recently inspected or tested):

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31-Aug-2009

Change Management Revision Date (The date of the most recent review or revision of management of change procedures):

24-Aug-2010

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):

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Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):

24-Aug-2010

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):

31-Jan-2011

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):

24-Aug-2010

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):

24-Aug-2010

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):

24-Aug-2010

Contractor Safety Performance Evaluation Date
(The date of the most recent review or revision of
contractor safety performance):

31-Aug-2010

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan): 08-Dec-2009

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees): 08-Dec-2009

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): Rural Metro Fire Department

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (623) 939-3111

Subject to

OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120:

Clean Water Regulations at 40 CFR 112:

RCRA Regulations at CFR 264, 265, and 279.52:

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

Executive Summary

Bumstead Storage and Rail Facility

Introduction and Policies

Plains LPG Services, L.P. ("Plains"), is committed to managing all operations in a manner that protects the environment and the health and safety of employees, customers, contractors and the public while fully complying with applicable laws and regulations. Plains management philosophy goals are achieved through the implementation of the environmental, health and safety management systems, by the personal commitments of employees and contractors, and by open communication with employees, customers, neighbors, and regulators.

The purpose of this Risk Management Plan (RMPlan) is to provide information about operations at the terminal, programs to prevent accidental chemical releases, emergency response plans in the event an accidental release should occur, the five-year accident history of the terminal, and planned changes to improve safety at the terminal.

Stationary Source and Regulated Substance

The Bumstead Rail Terminal is owned by Plains LPG Services, L.P. and operated by Plains Marketing Canada, L.P. At the terminal, propane and butane are received via railcar and stored in pressure tanks (three (3) 60,000 gallon tanks). Propane and butane which is transferred by pipeline to the cavern facility. Propane and butane are the only substances regulated under the Risk Management Program (RMP) that are present at the Bumstead Terminal in amounts above threshold quantity. Ethyl mercaptan is stored at the terminal; however, the amount stored is below threshold quantity. The terminal is classified as Program Level 3 under the regulation. There are two processes at the facility - LPG Storage Terminal and Rail storage/loading & unloading area. The rail storage area has a capacity of 110 railcars, with each railcar having a capacity of 30,000 gallons. There is 30 car capacity inside the facility and 80 cars storage capacity outside the fence on lease track.

Accidental Release Prevention and Emergency Response Policies

The accidental release prevention and emergency response programs in place at the terminal are part of the high standards striven for by Plains. These high standards include:

- Operating in compliance with required environmental permits and regulations.

- Operating and maintaining the assets in such a manner that unintentional releases are minimized.

- Operating and maintaining assets in such a manner that the small releases associated with normal operation and maintenance will be minimized to the extent possible.

- Correcting non-compliance found during regular audits of the terminal.

Prevention Program

The Bumstead Storage Terminal is operating under the guidelines of the Occupational Safety and Health Administration (OSHA) Process Safety Management (PSM) Program. Analysis of the potential hazards of the process, training of employees, and emphasis on safety has helped avoid any serious chemical release accidents since Plains purchased the terminal. Part of this program has also involved identifying and taking steps to avoid potential accidental chemical releases.

Five-Year Accident History

No incident resulting in onsite injuries, death or property damage or offsite impacts from a propane or butane release has occurred at the Bumstead Storage Terminal since Plains purchased the terminal or was reported under previous ownership and operation within the last five years.

Emergency Response Program

The terminal has developed an emergency response plan, which will be coordinated with local emergency response groups such as the Luke Air Force Fire Department. Also involved in emergency response for the terminal would be the Maricopa LEPC, Arizona State Police, and the Arizona Corporation Commission. The terminal operator is responsible for coordinating the notifications

required to initiate an emergency response. The Emergency Response Plan provides the essential planning for effectively protecting workers, the public, and the environment during emergency situations.

Planned Changes to Improve Safety

Compliance with the RMP Prevention Program coupled with the environmental, health and safety management systems, forms the framework for continuous safety improvement. Some of the key components of the safety program are:

The Management of Change provisions ensure that the potential safety and health impacts of any change made to process chemicals, technology, equipment or procedures are considered.

The Process Hazard Analysis (PHA) provisions serve as a tool to ensure timely evaluation of potential hazards, thereby leading to continual improvements in safety standards.

The Mechanical Integrity provisions ensure that process equipment and instrumentation are designed, constructed, installed and maintained to minimize the risk of hazardous releases, thereby serving as an integral part of the safety program.

Specific actions that will be taken in the future to improve the level of safety at the terminal include:

Compliance audits will ensure that the level of safety protection at the terminal is periodically being evaluated for improvements.

An ongoing dialogue with the Luke Air Force Fire Department will ensure a constant state of readiness to respond to any potential emergencies, as well as a means to implement improvements as the need develops.